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j658 U.S. PTO

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PTO/SB/05 (03-01)

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Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	090/003C
First Inventor	Melissa K. Carpenter, et al.
Title	Direct Differentiation of Human Pluripotent Stem Cells and Characterization of Differentiated Cells
Express Mail Label No.	CD17847717KUS

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
  - ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
  - ☒ Specification [Total Pages (preferred arrangement set forth below)
    - Descriptive title of the invention
    - Cross Reference to Related Applications
    - Statement Regarding Fed sponsored R & D
    - Reference to sequence listing, a table, or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  - ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets   - ☒ Oath or Declaration [Total Pages   - ☐ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - ☒ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☒ Statements verifying identity of above copies (1 page)

## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s)) (copy)
- ☒ 37 CFR 3.73(b) Statement (copy) ☒ Power of Attorney prior application
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)


of prior application No.: 09,888,309

Prior application information: Examiner Thaian N. Ton

Group Art Unit: 1632

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		or	<input type="checkbox"/> Correspondence address below
Name	22869		
	PATENT TRADEMARK OFFICE		
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	J. Michael Schiff	Registration No. (Attorney/Agent)	40,253
Signature		Date	February 26, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 388.00

## Complete if Known

Application Number	[to be assigned]
Filing Date	March 1, 2002
First Named Inventor	Melissa K. Carpenter, et al.
Examiner Name	[to be assigned]
Group Art Unit	[to be assigned]
Attorney Docket No.	090/003C

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account:Deposit Account Number  
Deposit Account Name

07/1139

Geron Corporation

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 370.00)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	22	-20** =	2	X	9.00	=	18.00
Independent Claims	3	-3** =	0	X	42.00	=	0
Multiple Dependent						=	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ 18.00)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)

## SUBMITTED BY

Name (Print/Type)

J. Michael Schiff

Registration No.  
(Attorney/Agent)

40,253

## Complete (if applicable)

Telephone

(650) 473-7715

Signature

Date

March 1<sup>st</sup>, 2002

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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STATEMENT UNDER 37 CFR 3.73(b)

**COPY**

Applicant/Patent Owner: Geron Corporation

Application No./Patent No.: *[to be assigned]*

Filing Date: June 21, 2001

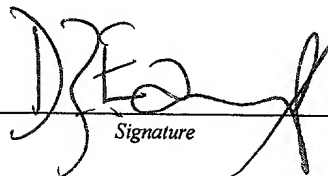
Entitled: DIRECT DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS AND  
CHARACTERIZATION OF DIFFERENTIATED CELLS

GERON CORPORATION, a corporation, states that it is the assignee of the entire right,  
title, and interest in the patent application/patent identified above by virtue of:

An assignment from the inventors of the above-referenced patent application, a true copy  
of which is attached hereto.

The undersigned (whose title is supplied below) is empowered to sign this statement on  
behalf of the assignee.

June 21, 2001  
Date

  
Signature

David J. Earp, Reg. No. 41,401  
Typed or printed name

Vice President, Intellectual Property  
Title

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Carpenter et al.

For: DIRECT DIFFERENTIATION OF  
HUMAN PLURIPOTENT STEM CELLS

**STATEMENT OF COMPLIANCE WITH SEQUENCE LISTING REQUIREMENTS  
BY WAY OF  
REFERENCE TO LISTING IN PARENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

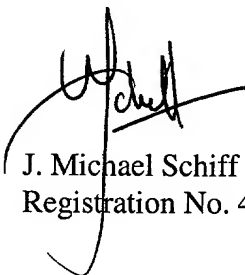
Dear Sir:

Parent application USSN 09/888,309, filed June 21, 2001 was accompanied by a paper copy and computer readable copy of sequences in the disclosure pursuant to 37 CFR § 1.821(f).

Please use the computer-readable sequence listing for the parent application if required during examination of the present application, pursuant to 37 CFR § 1.821(e).

The paper listing on pages 36-37 of the present application contains the same sequence data as the computer-readable listing for the parent application.

Respectfully submitted,



J. Michael Schiff  
Registration No. 40,253

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February 20, 2002